



SchmartBoard & Solder By Numbers Newsletter



Solder By Numbers Circuit Profile of the Month:

Square wave oscillator

Each month we will look at a circuit posted on [www.solderbynumbers.com](http://www.solderbynumbers.com). This month is the Square wave oscillator. The Square Wave Oscillator For default frequency is about 100HZ You can have a different frequency by using the following formula to change resister and capacitor value.  $f = 1/T = 1/CR$   
 H1: power +5V H2: ground H3: Square wave output. You can build it for less than \$15 in parts.

Solder By Numbers Company of the Month:

J-Tron



Each month we will look at a company posted on [www.solderbynumbers.com](http://www.solderbynumbers.com). You can subscribe to receive feeds posted by any of these companies to stay informed. J-Tron, Inc. is a small electronic distributor located in Northern New Jersey. As an Authorized-stocking distributor, we offer a complete line of interconnects and test points from Cambion, Components Corp., and Keltron. We also stock a large variety of resistors and capacitors from Xicon Passive Components and NTE Electronics. *We also offer and stock the complete line of SchmartBoard products.* We are a major electronic kit supplier for Elenco, Datak, and Velleman. We offer small parts for hobbyists, hams, and builders with a low minimum order. Same day shipments for in stock items. J-Tron, Inc. has been in business for 14 years and offers over 23 years experience in the electronic industry. Please visit our website and thank you for giving us the opportunity to quote on your component requirements.

Solder By Numbers New Member of the Month:

tarnall

Each month we will introduce you to a new member. Say hello this month to tarnall. Terry is from Hayward California(only 10 miles from SchmartBoard) and is a ham radio and computer enthusiast. In Terry's own words: "60 yrs old. Spent 3 years in US Army, Viet Nam Vet - 1968-69. Spent 20 years in the Burglar/Fire Alarm business - ADT, Burns Security, Alarms, Crime Control - installation and trouble shooting. (built some of my own test equipment) Now

**Engineering Services**

- PCB Fab
- PCB Layout
- Circuit Design
- Prototyping
- Assembly

The way some of our competitors work should be a crime!

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Intellect Lab's engineering and manufacturing services in the computer and electronics industry. We offer partial or full turnkey solutions to help streamline and alleviate your business workload.

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For advertising inquiries:  
 Contact [sbn@schmartboard.com](mailto:sbn@schmartboard.com)

SchmartBoard wishes you a Happy St. Patrick's Day and reminds you to never solder under the influence!

working for a waist water treatment plant as a plant maintenance mechanic for the past 18.5 years - 1.5 yrs to go :-). High Schools: Bella Vista, Fair Oaks, CA, Mission San Jose, Fremont, CA and graduated from Washington High also in Fremont, CA" Visit and befriend [tarnall](#) today!

## Solder By Numbers Club of the Month:

### [PIC Microcontroller Programming](#)

Each month we will introduce you to a new club on Solder By Numbers. This month is [PIC Microcontroller Programming](#). The Club focuses mainly on the programming of Small to Medium Pin Count PIC Microcontrollers and PCB board development to support the PIC Microcontrollers. Join today if this is your passion. PIC Microcontroller Programming is being run by [larryb64](#) of Rock Hill.

## New SchmartBoard Distributor

### [MicroController Pros Corporation \(µCPros\)](#)

MicroController Pros Corporation (µCPros) is an authorized distributor for many microcontroller tool vendors, which enables us to offer you the largest selection of Microcontroller Development Tools anywhere on the web. Conveniently shop, compare product features and prices online any time of the day or week.

**This Month's Contest Winner:** This month's winner of a \$30 combo pack is Stuart Taylor of Wigan, Lancashire in the U.K.!

According to Stuart: "I contacted you for a sample, and was amazed. Such a simple idea and yet so useful, pure genius!"

## SchmartBoard News

### [SchmartBoard Wins "2008 Product of the Year" from En-Genius Networks](#)



**SchmartBoard New Products:** SchmartBoard has release 6 power modules that can be used to power up your circuits they come in voltages of 1.5, 1.8, 2.5, 3.3, 5 or 9 volts and each costs only \$15.



## twitter Club

We now have a Twitter account and will be offering specials each week that are only available to those who use Twitter. Go to our [Twitter page](#) and sign up today. The first special will be Twittered very soon.

## LinkedIn®

Join us on the new SchmartBoard [LinkedIn group](#) so that you can connect to other electronics professionals.

## SchmartLinks

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